

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

June 7, 2007



Office of Pesticide Programs

MEMORANDUM

SUBJECT: Waiver Request of Exposure Data Requirements for the use of
Proxitane WW-12 in Wastewater Treatment

From: Siroos Mostaghimi, Senior Scientist *Siroos Mostaghimi*
Risk Assessment and Science Support Branch (RASSB)
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To: Marshall Swindell, PM 34
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Thru: Norm Cook, Chief *Norman F. Cook*
Risk Assessment and Science Support Branch (RASSB)
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DP Barcode (s): 334875

Pesticide Chemical No.:

Hydrogen peroxide: 000595

Ethaneperoxoic acid: 063210

Registrant: Solvay Chemical, Inc.

EPA Reg No: 68660-1

Background:

The registrant, Solvay Chemicals, Inc. has submitted a label amendment for Proxitane WWW-12 to add a use as a disinfectant for sewage and wastewater effluent associated with public and private wastewater treatment plants.

As described by the registrant, Proxitane is a mixture of peroxyacetic acid (12%) and hydrogen peroxide (18.5%). This product is applied directly to the effluent at any point in the system which is necessary to control microbial activity. The rate will depend on the nature of effluent and could range from 0.5 to 10 ppm of peroxyacetic acid. It is also mentioned that the label requires that the discharge contains less than 1.0 ppm peroxyacetic acid.

According to the registrant, Proxitane WW-12 will be supplied in either totes (5 gallon containers) or in bulk (55 gallon drums or grater). The supplied bulk will be transferred into a storage tank and then metered into the disinfectant chamber. Products supplied in totes will be directly metered into the disinfectant chamber. According to the registrant all transfers will be done by metering through pipes and there is no pouring of Proxitane during this process. Also the product label requires users to wear respirator, chemical goggles, chemical resistant gloves and protective clothing during the coupling and uncoupling of transfer lines. The registrant indicates that post- application exposure will be negligible because Proxitane WW-12 will be used in a closed system.

Recommendation:

Considering the above discussion, RASSB recommends based on the use of closed systems and PPE that the waiver be granted for the following exposure data requirements for the use of Proxitane WW-12 in wastewater treatment:

1. Indoor Dermal Exposure (875-1200),
2. Indoor Inhalation Exposure 9875.1400),
3. Post-application Dermal Exposure (875.2400), and
4. Post-application inhalation exposure (875.2500)

The label should indicate clearly that workers should use their respirator properly to prevent any inhalation exposure (especially from hydrogen peroxide) during the coupling and uncoupling of the transfer lines.

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for the use of Proxitane WW-12 in Wastewater Treatment

CC: RASSB Chemical File
Siroos Mostaghimi, RASSB